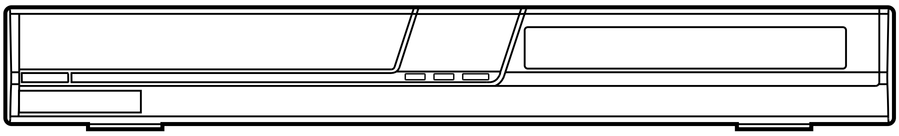
VENTURER

Model: SHD7000

HD DVD player



Owner's Manual

HD DVD · DVD VIDEO · COMPACT disc DIGITAL AUDIO · DOLBY DIGITAL PLUS · DOLBY TRUE HD · dts Digital Surround · HDMI™ · SHARC PROCESSOR by Analog Devices

SAFETY PRECAUTIONS

The following marks and symbols are located on back of the unit.





The lightning flash with an arrowhead symbol, within the equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this owner's manual.

⚠ **WARNING:**

- TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.
- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

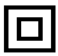
CAUTIONS:

- USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.
- TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT OF AC POWER OUTLET, THEN FULLY INSERT.

CAUTION:

To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.
DO NOT STARE INTO BEAM.

This product contains a low power laser device.



The symbol for Class II (Double Insulation)

Warning: The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquid, such as vases, shall be placed on the apparatus.

On Placement

- Do not use the unit in places that are extremely hot, cold, dusty, or humid.
- Do not restrict the airflow of the unit by placing it in a place with poor airflow, by covering it with a cloth, or by placing it on carpeting.

On Safety

- When connecting or disconnecting the AC cord, grip the plug and not the cord itself. Pulling the cord may damage it and create a hazard.

On Condensation

- When left in a heated room where it is warm and damp, water droplets or condensation may form inside the unit. When there is condensation inside the unit, the unit may not function normally. Let the unit stand for 1 to 2 hours before turning the power on or gradually heat the room and allow the unit to dry before use.

Warning:

- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.
- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.

SAFETY PRECAUTIONS

FCC Information

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Shielded cables must be used with this unit to ensure compliance with the Class FCC limits.

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

Notes on Copyright

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, or rent copyrighted material without permission.

Apparatus Claims of U.S. Patent Nos. U.S. Patent Nos. 4,907,093; 5,315,448; and 6,516,132 licensed for limited viewing uses only.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Portable Cart Warning

ADDITIONAL SAFETY INSTRUCTIONS

15. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
16. Never expose the apparatus to dripping or splashing or place items such as vases, aquariums, any other item filled with liquid, or candles on top of the unit.
17. Keep your fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.
18. Do not place anything on top of this unit.
19. Do not place the apparatus on amplifiers or equipment that may produce heat.
20. Never block or cover the slots or openings in the unit.
    Never place the unit:
    • on a bed, sofa, rug or similar surface;
    • too close to drapes, curtains, or walls; or
    • in a confined space such as a bookcase, buit-in cabinet, or any other place with poor ventilation.
    The slots and openings are provided to protect the unit from overheating and to help maintain reliable operation.
21. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.
22. If the apparatus should emit smoke or an unusual odor, immediately disconnect the power cord from the wall outlet. Wait until the smoke or smell stops, then ask your dealer for a check and repair. Neglecting to do so may cause fire.
23. During thunderstorms, do not touch the connecting cables or the apparatus.

PRECAUTIONS

Notes on handling

- Never disconnect the power cord from a wall outlet while the player is turned on, unless it is in an emergency. Doing so may cause malfunction.
- When shipping the player, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the player. Do not leave rubber or plastic products in contact with the player for a long time. They will leave marks on the finish.
- The top and rear panels of the player may become warm after a long period of use. This is not a malfunction.

When not in use

- For usual absence
  Be sure to remove the disc from the player and turn off the power.
- Prolonged absence
  Unplug the player from a wall outlet. (This will stop the clock. Display “SETUP MENU” by pressing SETUP, and reset the clock.)

Notes on locating

- Place the player on a level surface. Do not use it on a shaky or unstable surface such as a wobbly table or inclined stand. The loaded disc may dislodge from its proper position and cause damage to the player. Before placing the player, make sure that the surface can stand the weight of the player. Never place the player in a high location to avoid damage to the product or person by an accidental fall of the player.
- When you place this player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted depending on the condition and location of said equipment. In such an event, place the player as far away as practical from the TV, radio, or VCR.
- To avoid damage to this product, never place or store the unit in direct sunlight; hot, humid areas; or areas subject to excessive dust, oily smoke, cigarette smoke or vibration.

About the volume level

The volume level of some commercial HD DVD and DVD discs may seem lower than that of audio CDs, other software, etc. If you turn up the volume of the TV or amplifier to play such discs, be sure to turn it back down after playback finishes.

About software

Because of problems and errors that can occur during the creation of HD DVD, DVD and CD software and/ or the manufacture of HD DVD, DVD and CD discs, Manufacturer cannot assure that this player will successfully play every disc bearing the HD DVD, DVD or CD logos. If you happen to experience any difficulty playing an HD DVD, DVD or CD disc on this player, please contact Customer Service.

Some differences

The HD DVD player operates more like a computer and differently than a standard DVD player. In addition to containing a microprocessor, it contains an operating system, random access memory (RAM), and an HD DVD drive. The operating system includes software that is transferred to the RAM when the machine is turned on and at other times during operation. This transfer can take time. Therefore, when you turn the HD DVD player on, it may take a little while before it is ready to use. Likewise, other functions may not be performed as quickly as they would on other AV equipment. Please take these factors into consideration as you use the HD DVD player.

TABLE OF CONTENTS

FEATURES

Disc Formats

The unit can play:

HD DVD — HD DVDs [12cm ($4\frac{3}{4}$ in.) disc]

DVD RW / DVD R R4.7 — DVD VR mode recording (CPRM compatible discs supported.) DVD Video mode recording Finalized discs only.

DVD VIDEO — DVDs [8cm ($3\frac{1}{4}$ in.)/ 12cm ($4\frac{3}{4}$ in.) disc]

COMPACT disc DIGITAL AUDIO — Audio CDs [8cm ($3\frac{1}{4}$ in.)/ 12cm ($4\frac{3}{4}$ in.) disc]

CD-R CD-RW Compatible

Region Management Information

Region Management Information: This unit is designed and manufactured to respond to the Region Management Information that is encoded on DVDs. If the region number printed on the DVD does not correspond to the region number of this unit, this unit cannot play that disc.

The region number of this unit is 1.

Disc Function or Operation that is Not Available

When the "⊘" symbol appears on the screen, it indicates that the function or operation attempted is not available at that time. This occurs because the DVD manufacturer determines the specific functions. Certain functions may not be available on some discs. Be sure to read the documentation provided with the DVD.

Icons Used on DVDs

Sample Icons

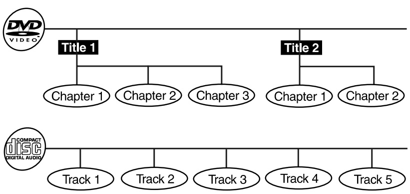
Icon	Meaning
(2) 1. English 2. French	Language selections for audio
[2] 1. English 2. French	Language selections for subtitles
LB	Screen aspect ratio
2 (camera)	Multiple camera angles
(1)	Region code indicator

Note:

- When playing a CD-G (Graphics) or CD EXTRA disc, the audio portion will be played, but the graphic images will not be shown.

Titles, Chapters and Tracks

- DVDs are divided into **"titles"** and **"chapters"**. If the disc has more than one movie on it, each movie would be a separate **"title"**. **"Chapters"** are sections of titles.
- Audio CDs are divided into **"tracks"**. A **"track"** is usually one song on an Audio CD.



Note : Numbers identify each title, chapter, and track on a disc. Most discs have these numbers recorded on them, but some do not.

> *Notes on Unauthorized Discs*
> You may not be able to play back some DVDs on this unit if they were purchased from outside your geographic area or made for business purposes.

FEATURES

Important notes about HD DVD

HD DVD with high-definition content required for HD viewing. Viewing high-definition content and up-converting DVD content may require an HDCP capable DVI or HDMI input on your display device. Up-conversion of DVD content will result in near HD picture quality. Firmware update may be required for some interactive features depending on content, which may also require an always-on broadband internet connection. Some features may require additional bandwidth. Some recordable media may not be supported. Dolby Digital Plus, Dolby TrueHD and DTS support for up to 5.1 channels (DTS HD support for DTS core only) MP3/WMA audio files not supported. HDMI audio support for PCM only. Because HD DVD is a new format that makes use of new technologies, certain disc, digital connection and other compatibility and/or performance issues are possible. This may, in rare cases, include disc freezing while accessing certain disc features or functions, or certain parts of the disc not playing back or operating as fully intended. Some features subject to delayed availability. While every effort has been made at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, system/component/options availability are all subject to change without notice.

Note:The firmware in this player can be updated. See page 34 for details.

Notes on web-enabled network content

Certain HD DVD discs may contain or have the capability of downloading studio-provided, web-enabled network content. To minimize any potential compatibility and/or connectivity issues, before viewing such content, it is recommended that you perform the firmware update process to ensure that your HD DVD player is using the latest firmware version. Do not unplug or turn off the player when downloading studio-provided, web-enabled network content. Doing so may cause data stored in the player's persistent storage to be lost.

HD output jacks

- An HDMI jack for connecting a single cable to output video and audio signals
- Component jacks

Certain system requirements

For high definition video playback:

- HD display (some discs may require HDCP capable input)
- HD DVD disc with HD content

For Dolby® Digital Plus and Dolby TrueHD multi-channel audio playback:

- A/V Receiver with HDMI™ multi-channel LPCM capable audio input and 5.1 channel speaker setup.

Before accessing, try updating this player's firmware. For details on how to update, see "Update (Firmware update)" on page 34.

This HD DVD player is manufactured under the HD DVD Format adopted by the DVD Forum. The DVD Forum approved AACS (Advance Access Content System) as content protection system for HD DVD format like it approved CSS (Content Scramble System) for DVD format. Therefore, certain restrictions are imposed on play, analog signal output, etc. of AACS protected contents. When you use pre-recorded contents, the contents may designate whether or not to apply such restrictions. As those restrictions may be adopted and/or changed and announced by AACS after the production of this product, the operation of this product and restrictions thereon may vary depending on the time you purchase this product as well as during the life of this product.

ACCESSORIES

Please check and identify the included accessories.

- ☐ Remote Control .... x 1
- ☐ AAA 1.5V Battery (for remote control) .... x 2
- ☐ AC Power Cord .... x 1

REMOTE CONTROL

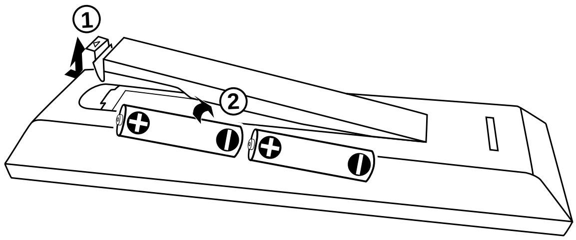
Using the Remote Control

- Point the remote control at the REMOTE SENSOR located on the unit.
- When there is a strong ambient light source, the performance of the infrared REMOTE SENSOR may be degraded, causing unreliable operation.
- The recommended effective distance for remote operation is about 16 feet (5 meters).

To Install Batteries

1. Open the battery door.

2. Insert two AAA batteries.



Battery Replacement

When the batteries become weak, the operating distance of the remote control is greatly reduced and you will need to replace them.

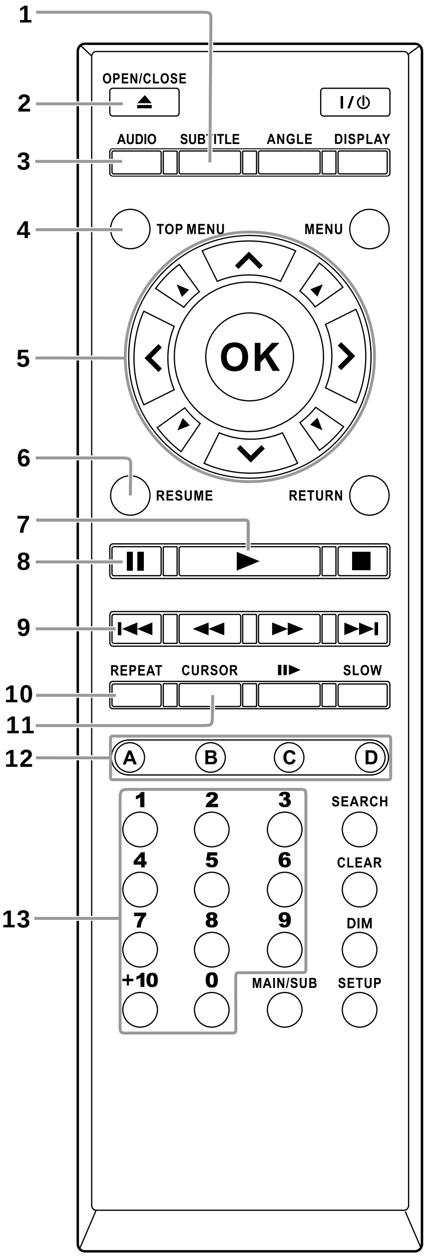
CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Notes:

- If the remote control is not going to be used for a long time, remove the batteries to avoid corrosion damage caused by battery leakage.
- Do not mix old and new batteries. Do not mix ALKALINE, standard (CARBON-ZINC) or rechargeable (NICKEL-CADMIUM) batteries.
- Always remove batteries as soon as they become weak.
- Weak batteries can leak and severely damage the remote control.
- WARNING: Do not dispose of batteries in a fire. Batteries may explode or leak.

CONTROL REFERENCE GUIDE

Remote Control



1) **SUBTITLE Button**
Press to select one of the subtitle languages programmed on a DVD.

2) **⏏ OPEN/CLOSE Button**
Press to open or close the disc tray.

3) **AUDIO Button**
Press to select one of the audio sound tracks programmed on a DVD or to select the audio output mode on an AUDIO CD.

4) **TOP MENU Button**
Press to open the Title Menu screen in stop mode.

5) **Direction Buttons**
Press to select a content or position to enter.

6) **RESUME Button**
Press to resume playback while playing an HD DVD.

7) **▶ PLAY Button**
Press to start playback.

8) **II PAUSE Button**
Press to pause playback.

9) **⏮ PREV Button**
Press to move backwards through titles, chapters or tracks on a disc.

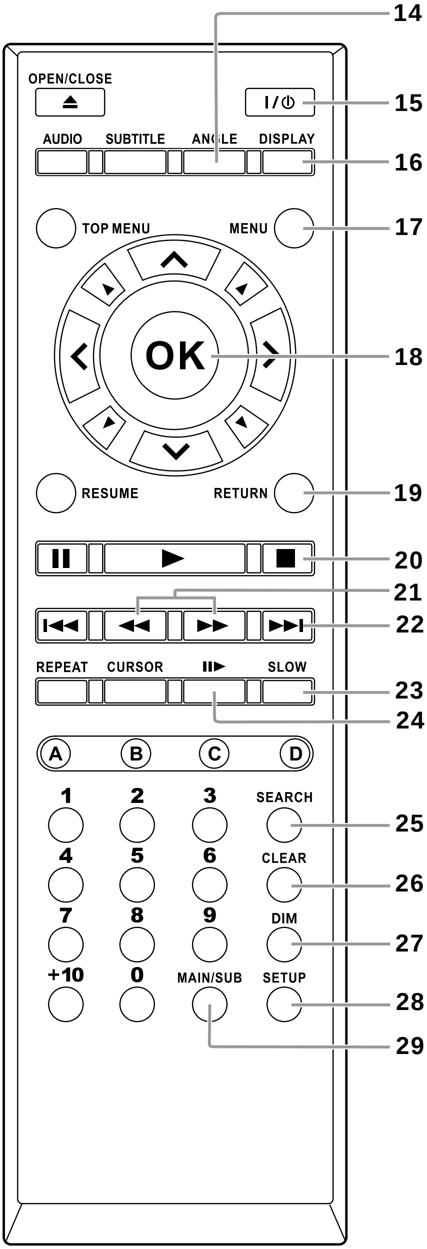
10) **REPEAT Button**
Press to display the repeat mode menu.

11) **CURSOR Button**
Press to set the 8 direction buttons to move the cursor during HD DVD playback.

12) **A, B, C, D Buttons**
Press to operate as indicated by the video display during HD DVD playback.

13) **Number (0-10+) Buttons**
Press to enter numbers.

Remote Control



14) ANGLE Button
Press to switch the camera angle of the video presentation when scenes with multiple camera angles are recorded on a DVD.

15) I/⏻ STANDBY/ON Button
Press to turn on the unit and put it in standby mode.

16) DISPLAY Button
Press to change disc status information displayed on the TV screen.

17) MENU Button
Press to open and close the DVD menu.

18) OK Button
Press to confirm selections on a menu screen.

19) RETURN Button
Press to return to previous menu.

20) ■ STOP Button
Press to stop playback.

21) ◀◀ / ▶▶ Buttons
◀◀ : Fast reverse playback.
▶▶ : Fast forward playback.

22) ▶▶I NEXT Button
Press to move forward through titles, chapters or tracks on a disc.

23) SLOW Button
Press to perform slow forward playback of DVDs.

24) I▶ Button
Press to play frame by frame.

25) SEARCH Button
Press to display a window to locate a title, chapter or track.

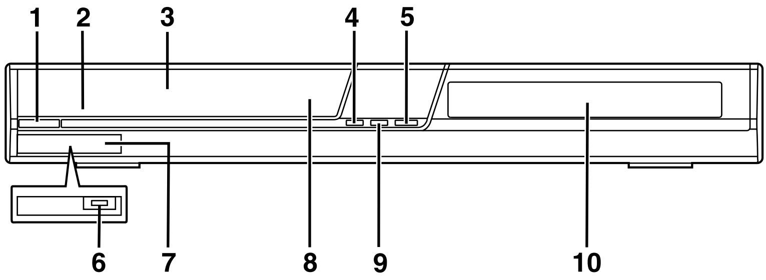
26) CLEAR Button
Press to clear entered information.

27) DIM Button
Press to change the brightness of the display on the player.

28) SETUP Button
Press to display the setup menu.

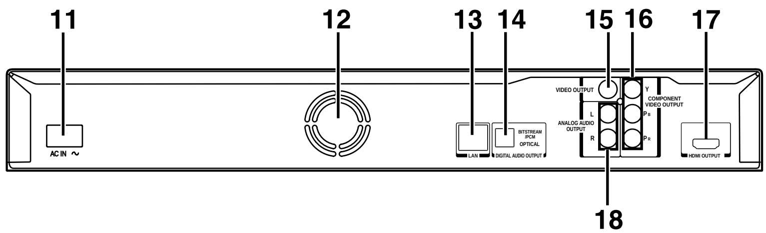
29) MAIN/SUB Button
For future functions which may become available by software update.

Unit
(Front View)



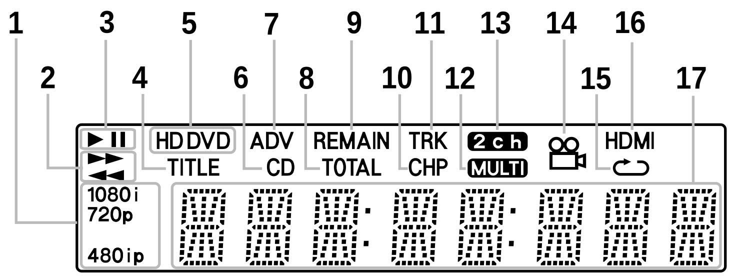
1) **I/⏻ STANDBY/ON Button**
Turns on the unit and puts it in standby mode.
2) **STANDBY/ON Indicator**
Indicates whether the unit is ON or in STANDBY mode.
Indicator RED: The unit is on standby.
Indicator OFF: The unit is turned on.
3) **Front Panel Display**
4) **■ STOP Button**
Stops playing a disc.
5) **⏏ OPEN/CLOSE Button**
Opens/closes the disc tray.
6) **Extension Port**
For future functions.
7) **The door of the Extension Port**
8) **Remote Sensor**
Receives the remote control unit signals.
9) **▶ PLAY Button**
Starts or resumes playback of a disc.
10) **Disc Tray**
Loads a disc into the disc drive.

Unit
(Rear View)



11) **AC IN Socket**
Connect the supplied power cord.
12) **Ventilation Fan**
13) **LAN port**
Use this to connect to a network with an always-on broadband connection.
14) **DIGITAL AUDIO OUTPUT BITSTREAM/ PCM OPTICAL Jack**
Outputs digital audio signals. Connect to a digital audio input on an amplifier equipped with digital audio decoder. When connecting the optional digital cable, fit the connector into the jack firmly.
15) **VIDEO OUTPUT Jack**
Outputs video signals to a connected TV or amplifier.
16) **COMPONENT VIDEO OUTPUT Jacks**
Outputs video signals to a connected TV or monitor.
17) **HDMI OUTPUT Jack**
Outputs video/audio signals to connected TV, monitor or AV amplifier.
18) **ANALOG AUDIO OUTPUT Jacks**
Outputs audio signals to a connected TV or AV amplifier.

DISPLAY



1) Displays the video output format currently selected. (i: interlaced, p: progressive)

2) ▶▶ : Fast forward playback.
◀◀ : Fast reverse playback.

3) ▶ : Playing
❚❚ : Pausing

4) Shows a title number.

5) HD DVD: An HD DVD is loaded.
DVD: A DVD is loaded.

6) A CD is loaded.

7) A disc that contains advanced content is loaded.

8) Total playing time is displayed.

9) Remaining playing time is displayed.

10) Shows a chapter number.

11) Shows a track number.

12) Multi channel sound is output.

13) 2ch sound is output.

14) Playing a scene recorded with multiple angles.

15) Playing in repeat mode.

16) HDMI connection is verified between the player and another device.

17) Displays the total playing time of the disc, elapsed time, remaining time, title, chapter or track number, messages, etc.

Dimming the display

Pressing the **DIM** button on the remote control changes the brightness of the display (Normal / Dimmed / Off).

- Turning off the power resets this setting.

Check the Type of Video Input on Your TV

To view high definition content, use the HDMI OUTPUT jack or the COMPONENT VIDEO OUTPUT jacks to connect to a TV. Some discs may require use of the HDMI OUTPUT jack.

TV input	Connection to this player		Resolution from this player			
			HD (High Definition)		SD (Standard Definition)	
	Signal	Cable	1080i	720p	480p	480i
HDMI input (✳ Most recommended)	Video / Audio	HDMI cable	Yes	Yes	Yes	Yes
Component Video input	Video	Component Video cable	Yes⁎	Yes⁎	Yes⁎	Yes⁎
	Audio	Audio cable				
VIDEO input (Yellow)	Video	Composite Video cable	No	No	No	Yes
	Audio	Audio cable				

⁎ Some disc may prohibit output in this format. In this case, use the HDMI connection.

✳ *Why HDMI connection is most recommended?*

HD DVD and DVD video disc creators have the option to include copy protection instructions in their discs that prohibit the output of some standard video or high definition video (original 720p, 1080i or up-converted 480i or 480p) from the COMPONENT VIDEO OUTPUT jacks. If such instructions are present in the disc you are playing, you must use the HDMI OUTPUT jack to view the disc in a high definition format and the COMPONENT VIDEO OUTPUT jacks, if activated, will output video only in 480i or 480p resolution.

Connecting to a TV

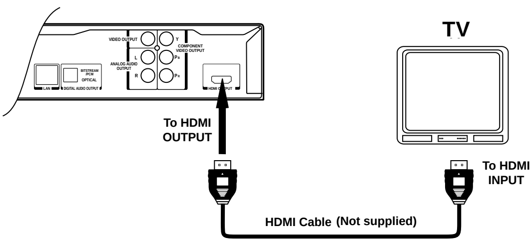
- **Connect the player directly to your TV. If you connect the player to a VCR, TV/VCR combination, video selector or AV amplifier, the playback picture may be distorted due to copy protection.**
- **Be sure to turn off the power and unplug both units from the wall outlet before making any connections.**

Via HDMI Input

HDMI stands for High Definition Multimedia Interface. HDMI transfers digital audio and uncompressed digital video on a single cable. As a result, audio cables and video cables don't need to be connected separately to a device.

Notes:

- Refer to the owner's manual to the connected TV as well.
- When the HDMI connection is not verified, an error message appears on the front panel display. In this case, disconnect the HDMI cable then connect it again, or turn off the connected HDMI device then turn it on.



- HDMI output is digital only. DVI analog is not supported.
- HDMI is an evolving technology, so some devices may not operate properly with this player.
- To get the most possible benefit from Dolby Digital Plus, you should connect your HD DVD player to your AV receiver using its HDMI input. If your AV receiver has this type of input, make sure it is connected to your HD DVD player and that the input is set to use audio from HDMI (and not the SPDIF coaxial or optical input). If your AV receiver does not have an HDMI input, then the next best choice is to use the SPDIF (coaxial or optical) input on your AV receiver.
- If you use the SPDIF optical output or analog outputs to connect your audio system and have the “Digital Out HDMI” set to “Auto” or “PCM”, the audio output level from these jacks will be reduced when listening to a multi-channel disc. To restore the audio output level, set “Digital Out HDMI” to “Downmixed PCM”.

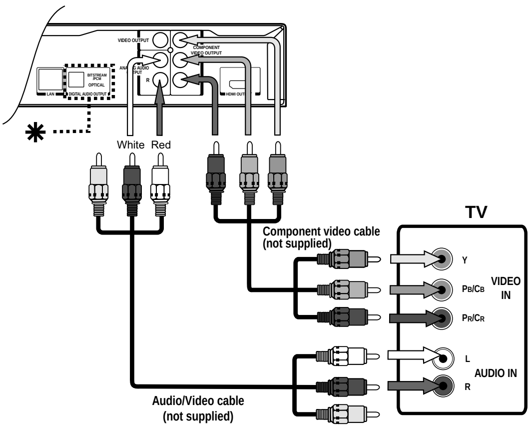
Via Component Video Input

Some discs may be down converted or require HDMI connection.

Using a component video cable (not supplied), connect the Y VIDEO OUT jack (green plug) on your unit to the Y VIDEO IN jack on your TV, the PB VIDEO OUT jack (blue plug) on your unit to the PB VIDEO IN jack on your TV and the PR VIDEO OUT jack (red plug) on your unit to the PR VIDEO IN jack on your TV.

To use the analog sound output, connect these ANALOG AUDIO OUTPUT jacks to audio input jacks on your TV using the audio cable.

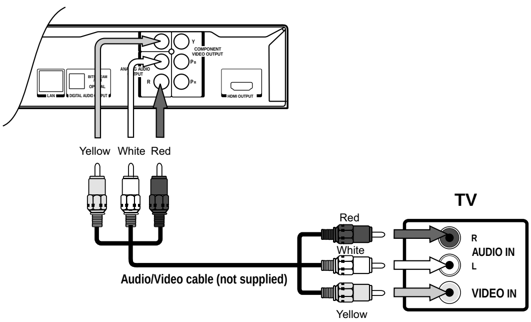
❋ To use the optical digital output, use an optical cable to connect this jack to an optical audio input on a device capable of processing a DTS bitstream or PCM audio (see “Connecting to an Audio System”).



RCA Audio/Video Cable

Use the Audio/Video cable (not supplied). Connect the VIDEO OUT and left/right AUDIO OUT jacks on the unit to the VIDEO IN and left/right AUDIO IN jacks on your TV.

480i output only regardless of the resolution settings or the connections of other output jack.



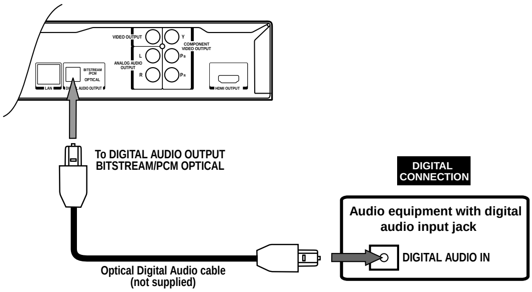
Note:
This player supports simultaneous output of video on its HDMI and component video ports. However, some discs may restrict output of video on the component video ports when viewing high definition content or up-converted DVD content. The resolution on the HDMI output will be the same as the resolution output on the component video output. Thus, because the HDMI output can change automatically to match the maximum available resolution of your display, if you connect both the HDMI output and component output, the resolution on the component output will change if the HDMI output auto-adjusts.

Connecting to an Audio System

Via Optical Digital Output

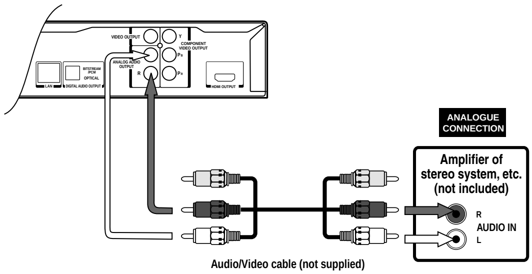
You can listen to down-converted Dolby Digital Plus and Dolby TrueHD as well as Dolby Digital and DTS using a receiver with Dolby Digital and DTS decoding capabilities and an optical digital input.

To use the optical digital output, use an optical cable to connect this jack to an optical audio input on a device capable of processing a DTS bitstream or PCM audio.



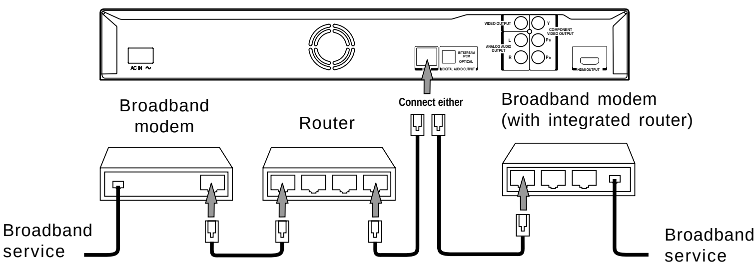
Via Analog Audio Output

To use the analog sound output, connect the ANALOG AUDIO OUTPUT jacks to audio input jacks on your TV using the audio cable. Sound output is in 2ch format only.



LAN Connection

You may use the internet connection feature to update the player's firmware.
Some HD DVD discs may enable you to access special HD DVD sites, if you connect the player to the Internet via an always-on broadband connection. For example, if an HD DVD site includes content such as links to future movie trailers, you can watch the content on the player via the Internet. You do not need to connect to a PC to use this function.



Use a commercially available straight LAN cable (Category 5/CAT 5 or better with RJ45 connector).

Caution

- When plugging or unplugging the LAN cable, hold the plug portion of the cable.
- When unplugging the LAN cable, do not pull on it. Unplug the cord while pressing down on the lock.
- Do not connect a modular phone cable to the LAN port.
- Since there are various connection configurations, please follow the specifications of your telecommunication carrier or internet service provider.

Note:

- Depending on the internet service provider (ISP), the number of devices that can receive internet service may be limited by the applicable terms of service. For details, contact your ISP.

Plugging in the Unit

After completing all connections, connect the supplied power cord to the AC IN socket then plug the AC power cord into the wall outlet.

While the AC power cord is connected, the unit is on standby and the STANDBY/ON indicator on the unit illuminates in red.

- Before plugging in the power cord, make sure the voltage of the unit matches your local voltage.
- Ensure all the components are connected correctly.
- When you are not going to use the unit for a long period of time, disconnect the power cord.

Turning on the Unit and TV

1. Press the ⏻ **STANDBY/ON** button to turn on the unit. The STANDBY/ON indicator will turn off.
2. Turn on the TV by pressing its POWER button.
3. Select the channel on your TV corresponding to the VIDEO IN jack that the unit is connected to. See TV User Guide for more information.

- If you have connected the unit successfully, the DVD logo (start-up picture) will appear on your TV screen.

PLAYING A DISC

This owner's manual explains the basic instructions of this unit. Some DVDs are produced in a manner that allows specific or limited operation during playback. Such as, the unit may not respond to all operating commands. This is not a defect in the unit. Refer to the instruction notes of discs.

" ⊘" may appear on the screen during operation. A " ⊘" means that the desired operation is not permitted by the unit or disc.

Playing a Disc

1. Press the ⏻ **STANDBY/ON** button to turn on the unit.
   See **CUSTOMIZING THE FUNCTION SETTINGS** (page 22 to 34) before proceeding to step 2.
2. Press the ⏏ **OPEN/CLOSE** button. The disc tray opens.
3. Place a disc onto the disc tray with the label side facing up.
4. Press the ⏏ **OPEN/CLOSE** button. The disc tray closes.
   It takes a short while for your unit to load the disc. After loading, the unit will automatically bring you to the main menu of the DVD or start playback of the disc.
5. If the unit does not automatically start playing the DVD, press the ▶ **PLAY** button.

Note: If a disc is already loaded into the DVD player, playback will begin from the location where you last stopped.

Pausing Playback (Still Mode)

Press the ❚❚ PAUSE button on the remote. To resume normal playback, press the ▶ **PLAY** button.

Playing Frame by Frame

Press the ❚❚ PAUSE button to pause playback.
Press the ❚▶ button repeatedly. Each time you press the ❚▶ button, the picture advances one frame.

Stopping Playback

Press the ■ **STOP** button at the location where you want to interrupt playback. To resume playback at the position where the disc was stopped, press the ▶ **PLAY** button.
If you press the ■ **STOP** button twice, the unit's memory will be cleared and pressing the ▶ **PLAY** button will reset the disc to the beginning.

Skipping to a Different Chapter/Track

- Press the ⏮ button repeatedly to skip to the start of the current or previous chapter or track.
- Press the ⏭ button to skip to the next chapter or track.
- For an audio CD, use the number buttons (remote control only) to go directly to a track number.

Fast Forward/Fast Reverse

1. Press the ◀◀ **/** ▶▶ button on the remote control when a disc is playing.
   - Four speeds are available. Each time the ◀◀ **/** ▶▶ button is pressed, the speed of fast scan changes in the following sequence:



2. Press the ▶ **PLAY** button when you have reached the desired point to resume playback at normal speed.

Notes:
- The DVD player mutes sound during reverse and forward scan of the disc.
- The fast playback speed may differ depending on the disc.

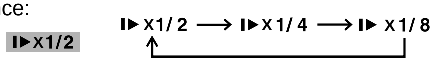
Resume Playback

To resume playback from the location last stopped.
After stopping playback, press the **RESUME PLAY** button or the ▶ **PLAY** button. If you want to return to the beginning, press the ■ **STOP** button, then press the ▶ **PLAY** button.
- Resume feature can not function when:
  - You select a disc menu language or change the parental lock setting.
  - You open the disc tray.
- There may be a difference in the location where playback resumes depending on the disc.
- Some discs or scenes may not permit this operation.
- When the ADV indicator on the front panel illuminates, this feature is not available.

Slow-motion Play

1. Press the **SLOW** button on the remote in play mode.

• Three speeds are available. Each time the **SLOW** button is pressed, the speed of slow-motion playback changes in the following sequence:



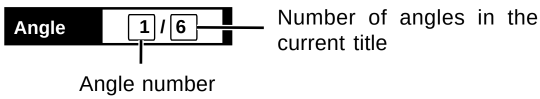
2. Press the ▶ PLAY button to return to normal playback speed.

Angle Selection

Some DVDs contain scenes that have been shot from a number of different angles. For these discs, the same scene can be viewed from each of these different angles.

1. While you are playing a DVD with different angles recorded, press the **ANGLE** button to view the number of current angles available.

2. Press the **ANGLE** button repeatedly to change the scene to the next angle in those recorded.
   - About two seconds later, playback continues from the new angle selected.
   - If no button is pressed within 10 seconds, playback continues without changing the current angle.



Notes:

• This function can only be used for discs on which scenes shot from multiple angles have been recorded.

• If only one angle is recorded, “ 1/1 ” is displayed.

Subtitle Selection

1. While a DVD is playing, press the **SUBTITLE** button to display the current language setting, as shown in the example below.

2. Press the **SUBTITLE** button repeatedly to select the desired subtitle language.

3. Press the ◀ / ▶ button to select **On** or **Off**.



Notes:

• If only one language is recorded, the language does not change.

• About two seconds later, playback continues with the new subtitle selected.

• The number of languages recorded differs depending on the disc.

• If no button is pressed within a few seconds, playback continues without changing the current subtitle.

• This function can only be used for discs on which subtitles have been recorded in multiple languages.

• On some DVDs, subtitles are activated from the main menu of the DVD. Press the **MENU** button to activate the main menu.

Audio Selection

On some discs, the sound is recorded in two or more formats. Follow the directions below to select the type of playback.

1. While a disc is playing, press the **AUDIO** button to show the current audio format number.

2. Press the **AUDIO** button repeatedly to select the desired audio format.



Notes:

• If only one audio format is recorded, the number does not change.

• Some DVDs allow you to change audio selections via the disc menu only. If this is the case, press the MENU button and choose the appropriate language on the disc menu.

PLAYING A DISC

Repeat Playback

1. Press the **REPEAT** button on the remote control.
   The repeat modes are listed.

DVD

Repeat
All Repeat
Title Repeat
Chapter Repeat
A-B Repeat
Cancel

CD

Repeat
Disc Repeat
Track Repeat
A-B Repeat
Cancel

Note: The selections on the list vary depending on category or status of a disc.

2. Use the ▲ / ▼ buttons on the remote control to select the repeat mode.

   All Repeat: Repeats the entire disc.

   Title Repeat: Repeats the current title.

   Chapter Repeat: Repeats the current chapter.

   Track Repeat: Repeats the current track.

   Disc Repeat: Repeats the entire disc.

   A-B Repeat: Repeats the specified segment.
   You can specify a segment to repeat. Select this and press the **OK** button on the remote control.
   " Ⓐ Ⓑ Repeat | A Point " appears.

   Perform step 1) and 2) below and skip step 3.

   1) While the above display appears, press the **OK** button on the remote control at the start point of the section you want to repeat.
      The display changes to " Ⓐ Ⓑ Repeat | B Point ".
      • To cancel the setting, press the **REPEAT** button.
   2) Press the **OK** button on the remote control at an end point of the section where you want to repeat.
      Playback returns to point A and repeats between A and B.

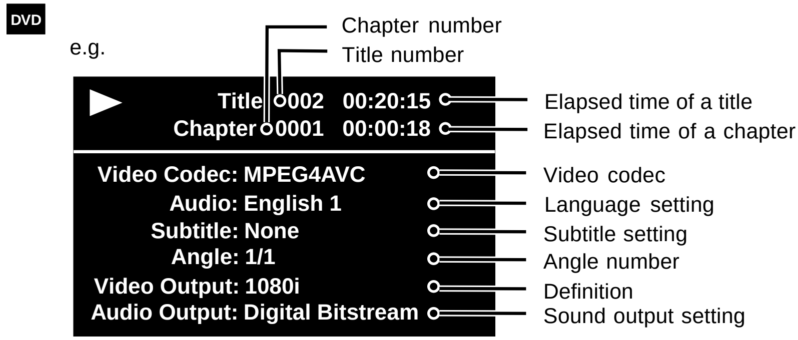
3. Press the **OK** button on the remote control.
   Repeat playback starts.

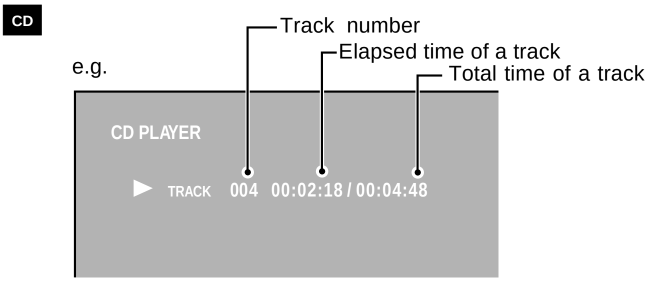
Notes:

- Some discs may not permit repeat playback operation.
- A-B repeat can only be used within the same title. If the start and end of the section to be repeated are in different titles, A-B repeat is cancelled.
- The A-B repeat function does not operate in scenes where different camera angles are recorded.
- You can cancel repeat playback by pressing the ■ **STOP** button.

Display Function (DVD)

While the disc is playing, press the **DISPLAY** button on the remote control to display information on operation status. After confirming, press the **DISPLAY** button to turn off the display.





Locating a Specific Title (DVD)

- If a DVD contains title numbers, you can locate a specific title by directly selecting a title number.

1. Press the **SEARCH** button on the remote control.
2. Use the ◀ or ▶ button to select title then press the corresponding number button(s) for the title you want.
3. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Search	Title	1	Chapter	- - - -	Time	- - : - - : - -	

Locating a Specific Chapter/Track (DVD) (CD)

- If you know the chapter / track number you want to play, you can locate a specific chapter / track by directly selecting a chapter / track number.

1. Press the **SEARCH** button on the remote control.
2. Use the ◀ or ▶ button to select chapter/track then press the corresponding number button(s) for the chapter/track you want.
3. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Search	Title	1	Chapter	- - - -	Time	- - : - - : - -

Search	Track	002	Time	- - : - - : - -

SPECIAL FUNCTIONS

Locating a Specific Time

- You can move to a specific location by entering its corresponding time (hours, minutes, seconds).

1. Press the **SEARCH** button on the remote control.
2. Use the ◀ or ▶ button to select chapter/track then press the corresponding number button(s) for the setting point you want.
3. Press the **ENTER** button to confirm. The Unit will start playback about 3 seconds later.

Search Title 1 **Chapter** - - - - **Time** - - : - - : - -

Notes :

- Pressing the **CLEAR** button on the remote control resets the numbers.
- Some discs may not respond to this process.
- Some scenes may not be located as precisely as you specified.

HD DVD PLAYING OPTIONS IN THE FUTURE

A/B/C/D Buttons (on the remote control)

Use these buttons as indicated by the video display during HD DVD playback.
Depending on the disc contents, the functions of each button may differ.

Cursor Controls (on the remote control)

Future HD DVDs may include game software and drawing software. If they do you can use the cursor function for some software.

1. Press the **CURSOR** button while a disc with support for cursor use is playing.
2. Use the eight direction buttons to move the cursor.
   Move the cursor to select the game target or selection item. For details on actual operations, also refer to the operations guide for the disc.

Controller Port

The extension port may be used in the future for additional control options.

Requirements for HD DVDs/Web-enabled network content

- An always-on broadband internet connection.
- An HD DVD containing or having the capability of downloading studio provided, web-enabled network content.

Notes :

- To minimize any potential compatibility and/or connectivity issues, before attempting to view any studio provided, web-enabled network content, it is recommended that you perform the firmware update process to ensure that your HD DVD player is using the latest firmware version.
- If you wish to use a wireless network to connect the player, you will need to use a wireless LAN ethernet adapter to connect the player to the network.
- Some internet contents may require a higher bandwidth connection.
- Even if the player is properly connected and configured, some internet content may not operate properly because of internet congestion, the quality or bandwidth of your internet service, problems at the provider of the content or compatibility issues.
- Some internet connection operations may not be possible due to certain restrictions set by the Internet service provider (ISP) supplying your broadband Internet connection.
- A 10 Base-T or 100 Base-TX LAN port is required for connection to this player. If your internet service does not allow for such a connection, you will not be able to connect the player.
- A DSL modem is required to use DSL service and a cable modem is required to use cable modem service. Depending on the access method of and subscriber agreement with your ISP, you may not be able to use the internet connection feature contained in this player or you may be limited to the number of devices you can connect at the same time. (If your ISP limits subscription to one device, this player may not be allowed to connect when a PC is already connected.)
- The use of a “Router” may not be allowed or its usage may be limited depending on the policies and restrictions of your ISP. For details, contact your ISP directly.

CUSTOMIZING THE FUNCTION SETTINGS

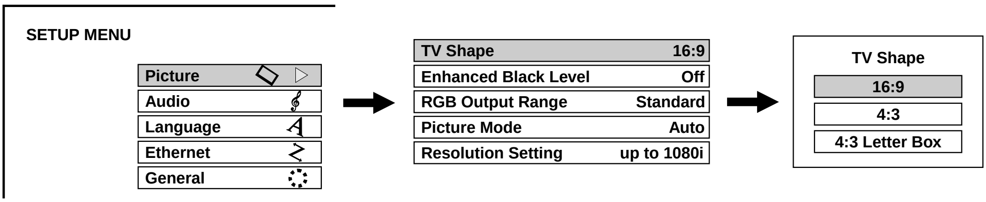
You can change the default settings to customize performance to your preference.

Picture

TV Shape

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Picture**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **TV Shape**, then press the **OK** button.
4. Use the ▲ or ▼ button to select option (16:9, 4:3 or 4:3 Letter Box), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

16:9: Select when a 16:9 wide TV is connected.
4:3: Select when a standard 4:3 TV is connected.
Displays pictures cropped to fill your TV screen. Both of the picture's sides are cut off.
4:3 Letter Box: Select when a standard 4:3 TV is connected.
Displays theatrical images with masking bars above and below the picture.



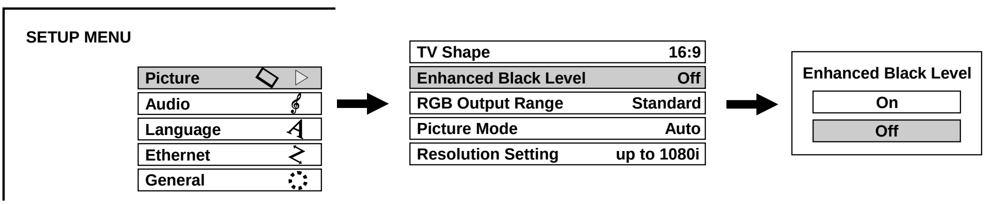
Notes:

- When an HD DVD or a DVD has a particular picture shape, the contents may not be compatible with other picture shapes.
- DVDs containing 4:3 picture only always display 4:3 pictures regardless of the TV Shape setting.
- If "16:9" is selected while connecting a 4:3 TV, playback pictures may be distorted horizontally or shrink vertically. Make this setting according to your TV shape.
- Actual picture shape may depend on signal types of broadcasts or input sources, or settings on the connected TV. Refer to the owner's manual of your TV.

Enhanced Black Level

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Picture**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Enhanced Black Level**, then press the **OK** button.
4. Use the ▲ or ▼ button to make adjustments, then press the **OK** button.
5. Press the **SETUP** button to exit menu.

On: To display deeper, richer black than in "Off" setting.
Off: Normal black level.



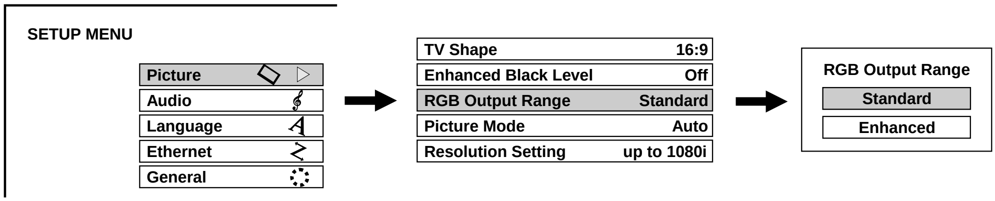
Note:

- Effective only in 480i output from the COMPONENT VIDEO OUTPUT jacks or the VIDEO OUTPUT jack.

RGB Output Range

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Picture**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **RGB Output Range**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (Standard or Enhanced), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

Standard: For a monitor of RGB range 16-235.
Enhanced: For a monitor of RGB range 0-255.



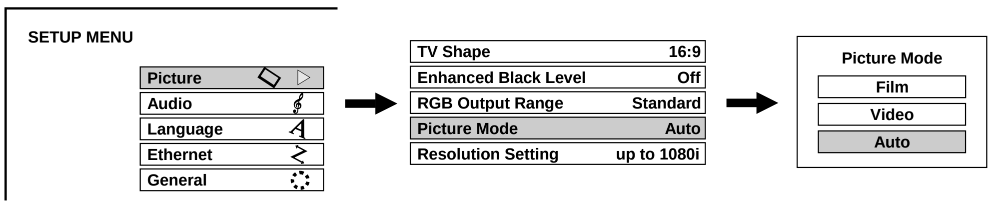
Note: If “Standard” pales black or “Enhanced” blackens too much, change the setting.

Picture Mode

There are two types of source content in pictures recorded on DVDs: film content (pictures recorded from films at 24 frames per second) and video content (video signals recorded at 30 frames per second). Make this selection according to the type of content being viewed.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Picture**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Picture Mode**, then press the **OK** button.
4. Use the ▲ or ▼ button to select an option (Film, Video or Auto), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

Film: The player converts film content pictures to the appropriate progressive output format. Suitable for playback of film content pictures.
Video: The player filters video signal, and converts it to the appropriate progressive output format. Suitable for playback of video content pictures.
Auto: The player automatically detects source content, film or video, of playback source, and converts the signal to the appropriate progressive output format.



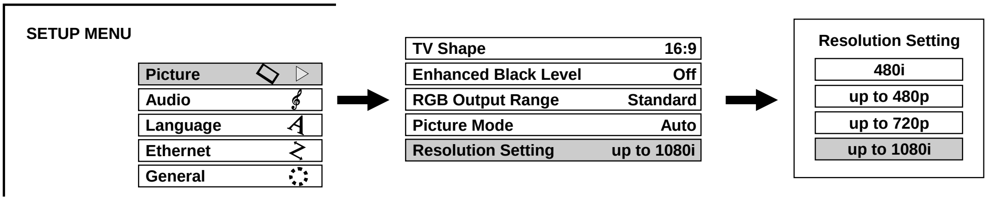
Note:
- The player may not be able to detect the source (film or video) of some material. If you notice undesirable picture performance, try selecting “Film” or “Video”.

CUSTOMIZING THE FUNCTION SETTINGS

Resolution Setting

To select the resolution of the player's output according to the connected TV.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Picture**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Resolution Setting**, then press the **OK** button.
4. Use the ▲ or ▼ button to make adjustments, then press the **OK** button.
5. Press the **SETUP** button to exit menu.



TV input	Resolution Setting
HDMI input	Select the resolution. e.g. **up to 1080i**
Component Video input	Select the resolution according to the performance of the connected TV.
VIDEO input (Yellow)	No need to set.

You may find that setting the output resolution of the player to match as closely as possible to the native resolution of your display provides the best picture performance (e.g. 720p for 720p and 1080i for 1080 or 1080p).

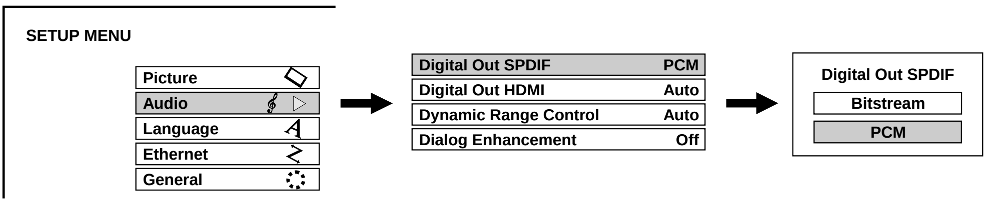
Note:
- In case the "Resolution Setting" menu disappears, make composite video (yellow) connection to restore it, then select the resolution that is compatible with the connected TV.

Audio

Digital Out SPDIF

To select the output sound format when connecting the DIGITAL AUDIO OUTPUT jack.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Audio**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Digital Out SPDIF**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (Bitstream or PCM), then press the **OK** button.
5. Press the **SETUP** button to exit menu.



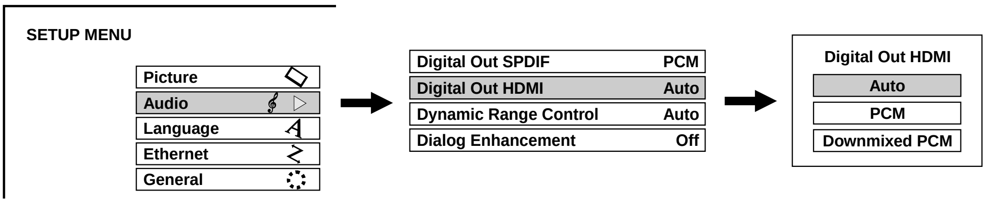
Bitstream:
Select this when an AV receiver or processor equipped with built-in Dolby Digital, DTS or MPEG decoder is connected to this player.
When you play a disc recorded in Dolby Digital Plus or Dolby TrueHD format, Dolby Digital sound is output. When you play a disc recorded in DTS-HD format, the sound is converted to a DTS bitstream. If the AV receiver or processor does not support DTS, select “PCM”.

PCM:
Select this when a 2ch digital stereo amplifier is connected to this player.
When you play an HD DVD or DVD recorded in Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS-HD format, sound is converted into PCM (2ch) format.

Digital Out HDMI

To select the output sound format when connecting the HDMI OUTPUT jack.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Audio**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Digital Out HDMI**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (Auto, PCM or Downmixed PCM), then press the **OK** button.
5. Press the **SETUP** button to exit menu.



Auto:
Select this when an HDMI device equipped with built-in Dolby Digital, DTS, MPEG or a linear PCM decoder is connected to this player.
When you play a disc recorded in Dolby Digital Plus or Dolby TrueHD or DTS-HD, PCM is output (core only for DTS-HD). When you play a disc recorded in Dolby Digital or DTS-HD format, digital audio signal (bitstream audio) is output. If a connected HDMI device does not support Dolby Digital, DTS or MPEG, sound is converted into linear PCM to output.

PCM:
Select this when an HDMI device that has multi channel input is connected to this player.
When you play an HD DVD or DVD recorded in multi channel in Dolby Digital, Dolby Digital Plus, Dolby TrueHD, DTS or DTS-HD format, the sound is decoded and output in multi channel in linear PCM format.

Downmixed PCM:
Select this when a 2ch digital stereo AV receiver or processor is connected to this player.
When you play a DVD recorded in Dolby Digital, DTS, MPEG1 or MPEG2 format, sound is converted into PCM (2ch) format to output.

Note:
Setting “Auto” or “PCM” will reduce output level of multi channel sound from the ANALOG AUDIO OUTPUT jacks and the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack if you:
- view the playback picture on an HDMI TV connected to this player.
- play an HD DVD of a certain type, recorded in linear PCM format.

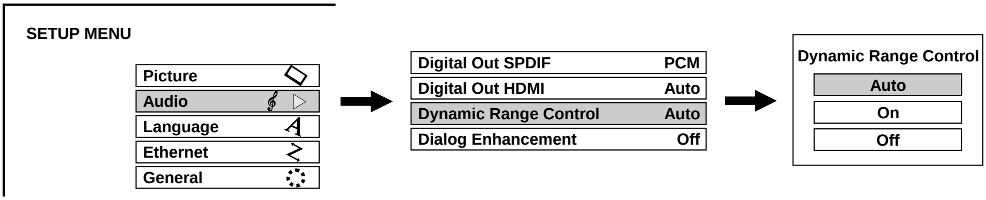
In this case, the output level will be restored by setting to “Downmixed PCM”.

CUSTOMIZING THE FUNCTION SETTINGS

Dynamic Range Control

To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late hour playback.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Audio**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Dynamic Range Control**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (Auto, On or Off), then press the **OK** button.
5. Press the **SETUP** button to exit menu.



Auto: While playing an HD DVD recorded in Dolby TrueHD format, this function will be automatically enabled or disabled according to certain commands included in the content. For other discs, this function is enabled.

On: This function is enabled.

Off: This function is disabled.

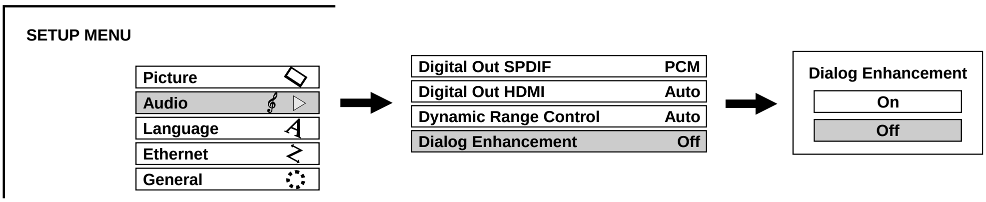
Dialog Enhancement

To turn on or off a function that increases dialog volume of a DVD.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Audio**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Dialog Enhancement**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (On or Off), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

On: This function is enabled.

Off: This function is disabled.



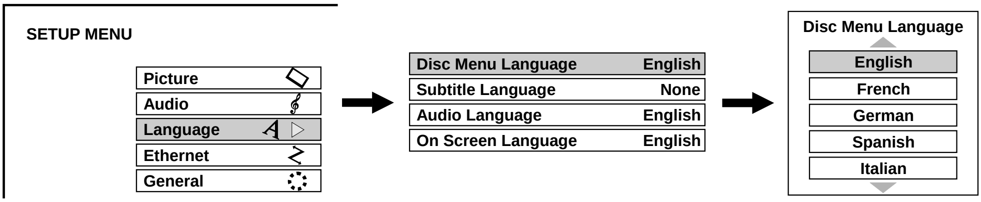
Notes:
- This function is effective only in playback of Dolby Digital recorded on HD DVDs or DVDs.
- The effect level of this function varies depending on the disc.

Language

Disc Menu Language

To select a preferred language for disc menus.

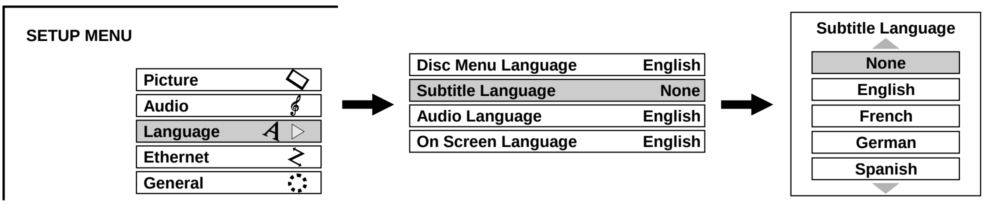
1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Language**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Disc Menu Language**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the language, then press the **OK** button.
   The screen will change to your selected language immediately.
5. Press the **SETUP** button to exit menu.



Subtitle Language

To select a preferred language for disc menus.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Language**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Subtitle Language**, then press the **OK** button.
4. Use the ▲ or ▼ button to select language, then press the **OK** button.
5. Press the **SETUP** button to exit menu.



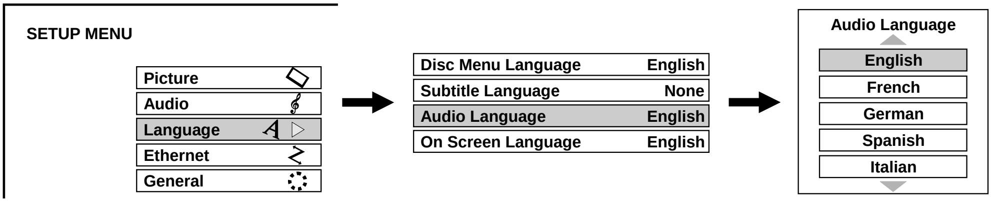
Notes:

- Some discs may be set to display subtitles in a different language from that you selected, as the disc may contain alternate language.
- Some discs allow you to change subtitle selections via the disc menu only. In this case, press MENU button and choose the appropriate subtitle language from the selection on the disc menu.

Audio Language

To select a preferred language for disc menus.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Language**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Audio Language**, then press the **OK** button.
4. Use the ▲ or ▼ button to select language, then press the **OK** button.
5. Press the **SETUP** button to exit menu.

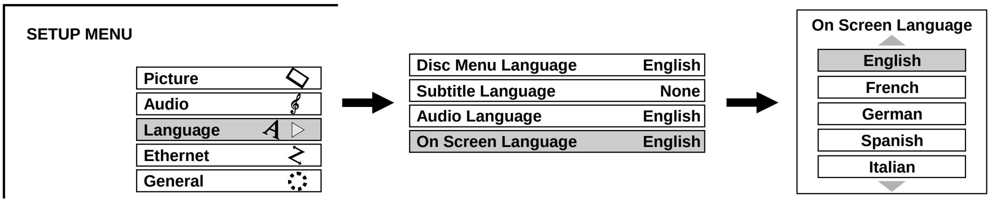


Note:
- Some discs may be played in a different language from that you selected, as the disc may contain alternate language.

On Screen Language

To select a preferred language for disc menus.

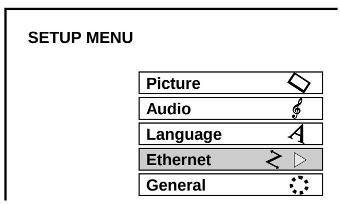
1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Language**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **On Screen Language**, then press the **OK** button.
4. Use the ▲ or ▼ button to select language, then press the **OK** button.
5. Press the **SETUP** button to exit menu.



Ethernet

Perform this setting if you connect the player to your LAN.

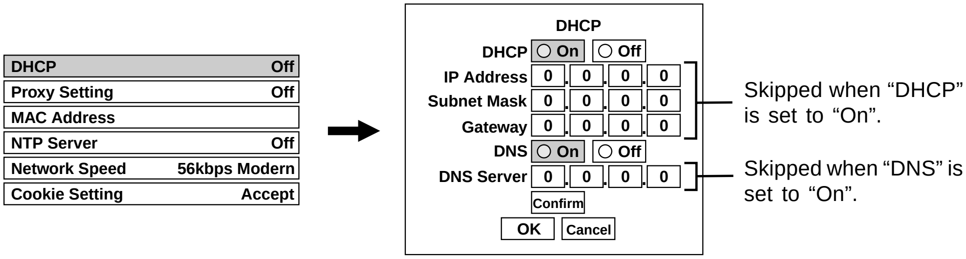
1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **Ethernet**, then press the **OK** button.
3. Use the ▲ or ▼ button to select the options (DHCP, Proxy Setting, Mac Address, NTP Server, Network Speed or Cookie Setting), then press the **OK** button.
4. Press the **SETUP** button to exit menu.



DHCP

To set your network information.

1. Set “DHCP” to “On” and press the **OK** button.
2. Set “DNS” to “On” and press the **OK** button.
   The DNS server is obtained automatically from the DHCP server.
3. Select “Confirm”, then press the **OK** button.
   If the setup is successful, an IP address appears. Press the **OK** button.



If the setup is not successful:

a. Set “DHCP” to “Off” and press the **OK** button.

b. Input the address using the number buttons.

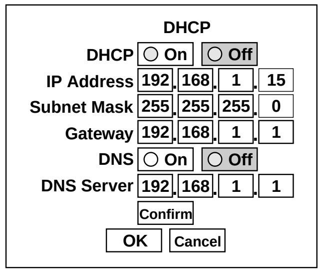
“**IP Address**”: This sets a different address within the same subnet of the PC on your network.
e.g. if the IP address of the PC is 192.168.1.10, set 192.168.1.15 (or some other unused address.)

“**Subnet Mask**”: This sets the subnet mask of the network environment that will be connected.
e.g.: 255.255.255.0

“**Gateway**”: This sets the gateway used by the player (e.g.: 192.168.1.1).

“**DNS Server**”: This sets the DNS server to be used by the player (192.168.1.1).

c. Select “OK”, then press the **OK** button.

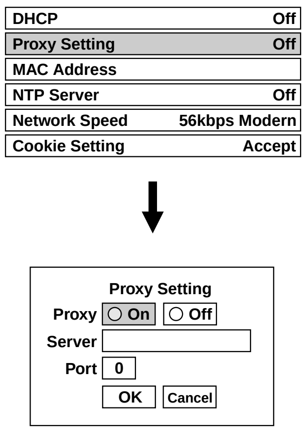


Proxy Setting

Enter the proxy server address when your provider requires proxy setting.

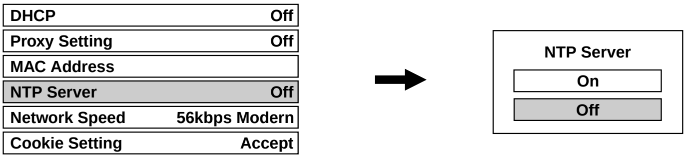
1. Set “Proxy” to “On” and press the **OK** button.
2. Enter the specified data from the provider.
   Refer to the instructions below for inputting characters (Server, Port).
3. Select “OK”, then press the **OK** button.

How to input characters	
OK button:	To begin or finish input.
▲ / ▼ buttons:	To select a character.
◄ / ► buttons:	To move to the next character.
CLEAR button:	To erase a character.
Number buttons:	To input a number.

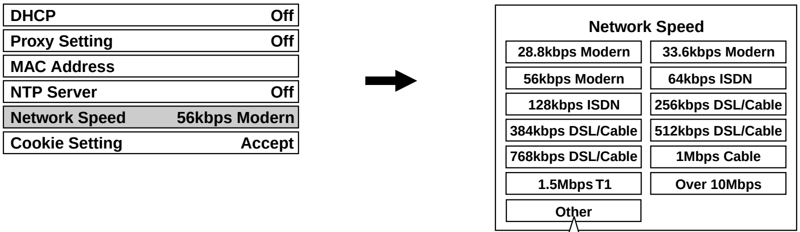


MAC Address
To display the MAC address of the player (Fixed. No need to set.)

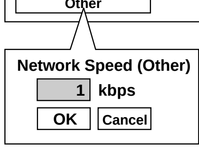
NTP Server
Set “On” or “Off” and press the **OK** button.
On: The player automatically accesses an internet server to adjust time protocol.
Off: The player does not access an internet server to adjust its clock.



Network Speed
Select the speed and press the **OK** button.

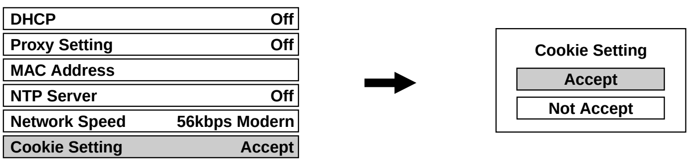


For “**Other**” speeds:
a. Select “Other” and press the **OK** button.
b. Specify the speed by using the number buttons.
c. Select “OK”, then press the **OK** button.



Cookie Setting
Select “Accept” or “Not Accept” and press the **OK** button.

Accept: Cookies are accepted.
Not Accept: Cookies are rejected.
This may disable some services on web pages.



General

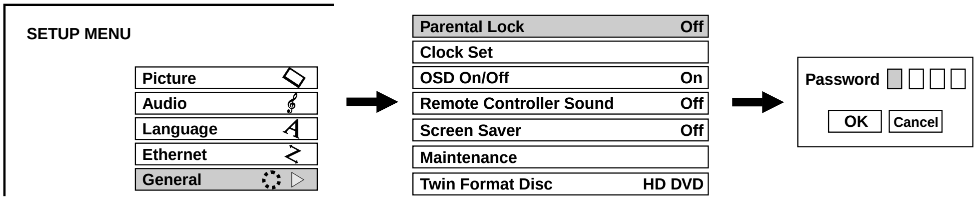
Parental Lock

HD DVDs and DVDs equipped with a Parental Lock function includes predetermined limitation levels. The limitation level or limitation method may differ depending on the disc. For example the whole contents of a disc may not be played back, or an extreme violent scene may be cut or replaced automatically by another scene.

Important

Depending on the disc, it may not be evident whether the disc is compatible with the Parental Lock function. Make sure the Parental Lock function you set is activated correctly.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **General**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Parental Lock**, then press the **OK** button.
4. Enter a 4-digit password by using the number buttons, then press the **OK** button.
   When you use the player for the first time, set a new 4-digit password. If you make a mistake entering your password, press the **CLEAR** button before pressing the **OK** button, and re-enter the correct password.



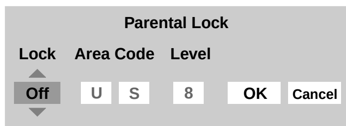
5. Set the details (using the ◄ or ► button to select the option: Lock, Area Code or Level.).
   a) Select "On" or "Off" by pressing the ▲ or ▼ button.

      On

      Select this to activate Parental Lock function or to change the setting.

      Off

      Deactivate the Parental Lock function.
      Skip to step 6.



   b) Press the ▲ or ▼ button to enter the code of a country/area whose standards were used to rate a disc, referring to the list below.

Country/Area	Code	Country/Area	Code	Country/Area	Code	Country/Area	Code
AUSTRALIA	AU	FRANCE	FR	NETHERLANDS	NL	SWEDEN	BE
BELGIUM	BE	GERMANY	DE	NORWAY	NO	SWITZERLAND	CH
CANADA	CA	INDONESIA	ID	PHILIPPINES	PH	TAIWAN	TW
CHINA	CN	ITALY	IT	RUSSIAN FEDERATION	RU	THAILAND	TH
CHINA HONGKONG	HK	JAPAN	JP	SINGAPORE	SG	UNITED KINGDOM	GB
DENMARK	DK	MALAYSIA	MY	SPAIN	ES	UNITED STATES	US
FINLAND	FI						

   c) Select the desired limitation level.
      Unless the Parental Lock function is set to "Off", a disc that has a higher limitation level than your selected limitation level cannot be played back. For example, if you select level 7, discs exceeding level 8 are locked and cannot be played back.

      When "US" is selected, its limitation level corresponds to the following settings.

      Level 7: NC-17 Level 6: R Level 4: PG13 Level 3: PG Level 1: G

6. Select “OK” then press the **OK** button.

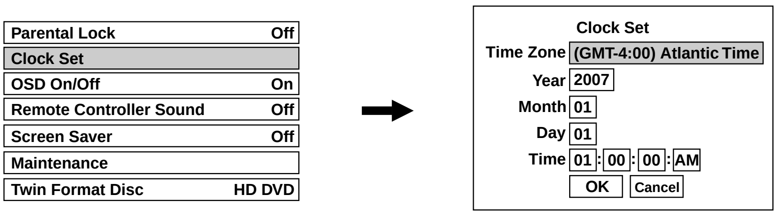
To change the limitation level of the Parental Lock function
Follow steps 1-6 above.

To change the password

1) At step 4, press the ■ **STOP** button 4 times then press the **OK** button.
   The password is cleared.
2) Enter a new 4-digit password by using the number buttons.
3) Press the **OK** button.

Clock Set

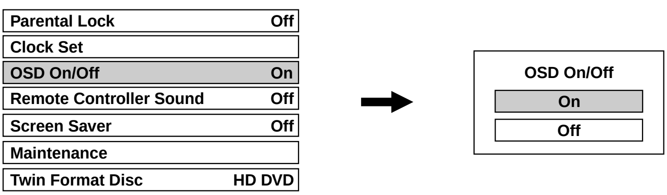
1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **General**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Clock Set**, then press the **OK** button.
4. Select your time zone using the ▲ or ▼ button, then press the **OK** button.
5. Enter the year using the number buttons, then press the **OK** button.
6. Set “Month”, “Day” and “Time” in the same manner as step 5 above.
7. Press the ◄ button then the ▼ button to select “OK”, then press the **OK** button.



OSD On/Off

To activate or deactivate the operational status display on the TV screen.

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **General**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **OSD On/Off**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (On or Off), then press the **OK** button.
5. Press the **SETUP** button to exit menu.



CUSTOMIZING THE FUNCTION SETTINGS

Remote Controller Sound

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **General**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Remote Controller Sound**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (On or Off), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

On: Turns on the beep sound.
Off: Turns off the beep sound.

Parental Lock	Off
Clock Set	
OSD On/Off	On
Remote Controller Sound	Off
Screen Saver	Off
Maintenance	
Twin Format Disc	HD DVD

➡

Remote Controller Sound
On
Off

Screen Saver

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **General**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Screen Saver**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (Auto Power Off, On or Off), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

Auto Power Off: Turns the player off if stop mode or picture pausing continues for about 20 minutes.
On: Activates the screen saver if stop mode or picture pausing continues for about 20 minutes.
Off: Deactivates the screen saver.

Parental Lock	Off
Clock Set	
OSD On/Off	On
Remote Controller Sound	Off
Screen Saver	Off
Maintenance	
Twin Format Disc	HD DVD

➡

Screen Saver
Auto Power Off
On
Off

Notes:
- To close the screen saver, press any button on the player or the remote control.
- When an HD DVD is used, this function activates only in stop mode.

Maintenance

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **General**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Maintenance**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (Initialize, Update <Firmware update> or Persistent Storage), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

Parental Lock	Off
Clock Set	
OSD On/Off	On
Remote Controller Sound	Off
Screen Saver	Off
Maintenance	
Twin Format Disc	HD DVD

➡

Maintenance
Initialize
Update
Persistent Storage

Initialize:
To reset all the settings to factory set default.

Update (Firmware update):
If you have broadband internet service you may obtain firmware updates over the internet using the LAN port on the back of your player.

- BEFORE BEGINNING THE FIRMWARE UPDATE PROCESS, BE SURE TO REMOVE ANY DISCS FROM YOUR PLAYER.
- Press SETUP and select “General” > “Maintenance”. Follow the instructions on the screen.
- If a firmware update is available for your player, it will be downloaded. Once the firmware update download process has finished, the player’s power will automatically switch off. You must wait until this process has finished.
- **DO NOT UNPLUG, TURN OFF, OR USE ANY OTHER FEATURE OF YOUR PLAYER DURING THE FIRMWARE UPDATE PROCESS.** Doing so will cause the writing of the firmware update to the player to be halted and the player may no longer operate properly.
- If no firmware update is available, the player will quickly exit the firmware update process.

Persistent Storage:
To open the menu to control player’s memory allocated for content.
The menu selections will vary depending on the content. Operate following the instructions displayed on your screen.

Twin Format Disc

To select a layer to play, HD DVD or DVD of an HD DVD Twin Format Disc. (Not available if a disc is loaded.)

1. In STOP mode, press the **SETUP** button on the remote control.
2. Use the ▲ or ▼ button to select **General**, then press the **OK** button.
3. Use the ▲ or ▼ button to select **Twin Format Disc**, then press the **OK** button.
4. Use the ▲ or ▼ button to select the options (HD DVD or DVD), then press the **OK** button.
5. Press the **SETUP** button to exit menu.

Parental Lock	Off
Clock Set	Off
OSD On/Off	Off
Remote Controller Sound	Off
Screen Saver	Off
Maintenance	
Twin Format Disc	HD DVD

➡

Twin Format Disc
HD DVD
DVD

HD DVD: Only the HD DVD layer is played.
DVD: Only the DVD layer is played.

Note: For combination discs, select the desired version by disc side (see label for information).

TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE (AND REMEDY)
No power.	• Ensure the AC power cord is connected.
No picture or abnormal color	• The region number of the disc doesn't match the region number of this unit. • The TV is not set to receive HD DVD/DVD signal output. • The video/HDMI cable is not connected securely. • In case the menu of “Resolution Setting” disappears, make composite video (yellow) connection to restore it, then select the resolution that is compatible with the connected TV.
No sound is heard.	• The system is in Pause mode or in Slow-motion Play mode. Press the ▶ PLAY button to return to normal play mode. • Set “Digital Out SPDIF” or “Digital Out HDMI” properly in accordance with the connected device and connection procedure. • If using the optical digital output for a Dolby Digital Plus, Dolby TrueHD, DTS-HD or DTS soundtrack, be sure your AV receiver or processor is set to use the input connected to your player and is set to decode a DTS bitstream. If your AV receiver or processor does not support DTS, select PCM output on the player. • Make sure the audio cable is connected securely.
Playback picture has noise.	• If video from the player is watched via a video recorder or on a TV with a built in video recorder, the copy guard may prevent images from being displayed properly. Be sure to connect the player directly to the TV.
The remote does not function.	• Remove any obstacles between the remote and the unit. • Use the remote near the unit. • Point the remote at the remote sensor on the unit. • Replace the batteries in the remote.
The disc does not play.	• There is no disc inside ("No Disc" appears on the TV screen). • Insert the disc correctly with the playback side facing down on the disc tray. • Clean the disc. • A non-VALID disc has been inserted. The unit and DVD disc region number are incompatible. • If the disc is a DVD-RW or DVD-R disc, finalize the disc before attempting to play it with the player. • If the disc includes parent lock support, playback is restricted while the parent lock of the player is set. Cancel Parental Lock or change the restriction level. • Condensation may have formed inside the unit due to a sudden change in temperature. Wait approximately an hour for it to clear and try again.
Screen freezes and no buttons work.	• Pressing STANDBY/ON button on the player for approximately ten seconds forces the player to turn off. Turn the player off and then on again.
After powering on, “Clock Set” menu appears.	• The power supply to the player may have been disconnected. Reset the clock.

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Pre-installed software	EULA	Pre-installed software	EULA
Linux Kernel Busybox	Exhibit A	OpenSSL	Exhibit C
glibc	Exhibit B	freetype	Exhibit D

Exhibit A

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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

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This package is an SSL implementation written by Eric Young (eay@cryptsoft.com).

The implementation was written so as to conform with Netscapes SSL.

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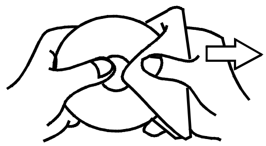
Exhibit D

- This product includes software developed by the OpenSSL project.
- Reverse engineering, disassembling, decompiling, dismantling, or otherwise attempting to analyze or modify the software included in this product is prohibited.

MAINTENANCE

Cleaning the Disc

A defective or soiled disc inserted into the unit can cause sound to drop out during playback.
Handle the disc by holding its inner and outer edges.



- Do NOT touch the surface of the unlabeled side of the disc.
- Do NOT stick paper or tape on the surface.
- Do NOT expose the disc to direct sunlight or excessive heat.
- Clean the disc before playback. Wipe the disc from the center outward with a cleaning cloth.
- NEVER use solvents such as benzine or alcohol to clean the disc.
- Do NOT use irregular shaped discs (example: heart shaped, octagonal, etc.). They may cause malfunctions.

Cleaning the Unit

- Be sure to turn the unit off and disconnect the AC power cord before cleaning the unit.
- Wipe the unit with a dry soft cloth. If the surfaces are extremely dirty, wipe clean with a cloth that has been dipped in a weak soap-and-water solution and wrung out thoroughly. Then wipe with a dry cloth.
- Never use alcohol, benzine, thinner, cleaning fluid or other chemicals. Do NOT use compressed air to remove dust.

Important Note

Before transporting the unit, remove the disc from the disc compartment.

SPECIFICATIONS

Power source:	AC 120V ~ 60Hz

Specifications and external appearance are subject to change without notice.

Printed in China
811-HD7091W011